

CLAIMS

1. Process for the continuous production of metal strip (1), preferably cold-rolled strip and especially high-grade steel strip, where the strip (1) to be produced is guided in the transport direction (R) through a system (2), in which the strip (1) is subjected to a rolling process, to a heating process, and to a chemical treatment, characterized in that the rolling process is conducted only after the strip has been heated and chemically treated.

2. Process according to Claim 1, characterized in that the heating of the strip (1), the chemical treatment of the strip (1), and the rolling process are conducted in that order.

3. Process according to Claim 1 or Claim 2, characterized in that the rolling process is a tandem rolling process.

4. Process according to one of Claims 1-3, characterized in that the thickness of the strip (1) is subjected to a significant reduction, preferably by at least 20%.

5. Process according to one of Claims 1-4, characterized in that the chemical treatment is a pickling process.

6. System (2) for the continuous production of metal strip (1), preferably cold-rolled strip and especially high-grade steel strip, specifically for the implementation of the process according to one of Claims 1-5, where the strip (1) to be produced passes through the system (2) in the transport direction (R), and where the system (2) has an installation (3) for heating the strip (1), an installation (4) for chemically treating the strip (1), and an installation (5) for rolling the strip (1), characterized in that the installation (5) for rolling the strip (1) is located downstream, with respect to the transport direction (R), of the installation (3) for heating the strip (1) and of the installation (4) for chemically treating the strip, and in that the installation (5) for rolling the strip (2) has a tandem rolling mill (5a, 5b, 5c).

7. System according to Claim 6, characterized in that the rolling stands (5a, 5b, 5c) are designed as a multi-roll cold-rolling mill with a 6-high or Z-high roll arrangement.

8. System according to Claim 6 or Claim 7, characterized in that the installation (4) for chemically treating the strip (1) is a pickling installation.

9. System according to one of Claims 6-8, characterized in that a stretcher-leveling unit (6) is located between the installation (3) for heating the strip (1) and the installation (4) for chemically treating the strip (1).

10. System according to one of Claims 6-9, characterized in that a metal grain shot-blasting unit (7) is located between the installation (3) for heating the strip (1) and the installation (4) for chemically treating the strip (1).

11. System according to one of Claims 6-10, characterized in that a trimmer unit (8) is installed downstream, with respect to the transport direction (R), of the installation (4) for chemically treating the strip (1).

12. System according to one of Claims 6-11, characterized in that a degreasing installation (12) is installed upstream, with respect to the transport direction (R), of the installation (3) for heating the strip (1).